Certificate of Acceptance PA05/02652

Manufacturer:
Infotec

Issue : 3
Valid From : 01-05-2014
Review Date : -

Communications Equipment

Product Description

CIS Communication Hubs

Display controllers for 'data only' protocols to be received, recognised, displayed and animated. In addition to the principal function of displaying service information, Infotec displays can be accessed simultaneously by several users for the purpose of re-configuration, health monitoring and firmware upgrades without interrupting the standard receipt and interpretation of display data.

Product Image

Scope of Acceptance

Full Acceptance

This range of items are accepted for use on all Network Rail infrastructure including Section 12 stations.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.
Authorised by:

Cosmas Okoye
Process & Change Specialist

Digitally signed by Richard Lawes
DN: cn=Richard Lawes, o=Network Rail, ou=Telecoms Asset Management, email=richard.lawes@networkrail.co.uk, c=GB
Date: 2014.05.14 13:44:27 +01'00'

pp Edward C. Rollings, MSc, CEng, MIET, FIRSE
Professional Head, Signalling & Telecommunications

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section.
Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

1) Please refer to General Terms and Conditions.
2) Contact Network Rail Technology Introduction group via technologyintroduction@networkrail.co.uk regarding any configuration changes to the systems covered by this certificate. The email shall include product acceptance number and details of the product/configuration changes.

User

1) Product to be installed in line with latest manufacturers guidelines and Engineering guidance on luminance configuration.
2) Equipment shall be installed and maintained in accordance with Network Rail standards

Product Configuration

System or Complete Assembly – Current

Part No.	Description	Catalogue No.
P4002	RS485 8 Way Router Expansion Unit 1 input expanded to 8 RS485 Multi-drop outputs. 19" rack mounted. 1u high. 250mm deep.	087/000559
P4004	19" Rack Mount ipDVC Unit Controller to drive CRT, TFT or Plasma monitors via a number of video signal formats	087/000616
P4008	IPDVC EuroRack - Houses Power supply and up to 12 Eurocard eg 1 off PEC 1 and 11 off PCG1 / PTC 1	087/000618
P4009	PEC1 Eurocard - Interfaces Euro Rack to WAN / LAN one required per station	087/000619
P4010	PCG1 Eurocard - Plug in Graphics Control Card - outputs video to one CRT	087/000620
P4011	PTC1 Eurocard - Plug in through connector card distributes RS485 via BNC connectors over Coax, Triax, Quadax etc. Supplied FOC with New LED / TFT displays - one per display.	087/000621
P4012	PGC1 VGA - Inline converter connects PCG1 RS485 output via BNC connector over Coax, Triax, Quadax.	087/000622
P4013	Coaxial Converter Module- 3U Rack mount unit provides up to 5 off RS485 feeds to displays over Coaxial cables RJ45 to Triaxial	087/000623
P4015	IPH3 Terminal Server. Connects directly to LAN or WAN and converts and distributes RS232, RS485 and TCP/IP Ethernet to displays. Built in Timebase decoder. 19" Rack mounted, 1u high, 250mm deep.	087/000624
P4018	IPTX1 Station Transmitter - wall mounted	087/042128
P4019	IPRX1 Display Receiver - internal mount	087/042129
P4020	WMRX1 Wall mount radio receiver.	087/042130
P4021	WMRX1-VC Wall mount radio receiver with Video Converter.	087/042131

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Infotec Supported

Part No.	Description	Catalogue No.
P4017	IPH3 8 way Wall Mount	087/042127
P4022	12 Way CAT5 to BNC Converter 1U Rack Mount	087/042132
P4023	6 Way CAT5 to BNC Converter 1U Rack Mount	087/042133
P4024	In Line CAT5 to BNC Converter Cable delivered complete with Male - Male connectors for both CAT5 and Coax Cables	087/000625

Repair Only

Part No.	Description	Catalogue No.
P4001	IPH2 Terminal Server. Connects directly to LAN or WAN and converts and distributes RS485 to displays. Built in Timebase decoder. 19" Rack mounted, 1u high, 250mm deep.	087/000558
P4005	Wall Mount ipDVC Unit Controller to drive CRT, TFT or Plasma monitors via a number of video signal formats	087/000617

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
----	Email: Arvind Bali – Alan Reilly: MPA05/2795.		15/07/2008	1
----	Infotec – P-4001: IPH2 Terminal Server – 19" Rack Mount.		Undated	1
----	Infotec – P-4002: RS485 8 Way Router – 19" Rack Mount.		Undated	1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
13189U	Delve Manual	F	12/03/12	3
13212U	Generic System Connection O&M	D	24/05/12	3
13214U	Generic D Series Controller O&M	F	23/09/11	3
13592U	IRIS User Manual	A	05/08/04	3
13213U	Generic Communicating Hubs O&M	I	22/05/13	3

Certificate History

Issue	Date	Issue History
1	29/09/2008	First accepted for use.
2	07/05/2009	Re-issued to amend product configuration.
3	1/05/2014	Review of Products

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Contact Details

Manufacturer

Infotec
The Maltings
Tamworth Road
Ashby de la Zouch
Leicestershire
LE65 2PS

Sponsor

N/A

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General Terms & Conditions

1) General
1) This certificate can only be amended by Network Rail Technology Introduction Group. Any alterations made by a different person will invalidate the entire certificate.
2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date.

2) Manufacturer
The Manufacturer shall:
1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Acceptance Requirements and in any deed of warranty for the relevant certificate number.
2) Notify Network Rail Technology Introduction Group:
a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
b. Of any intended change to the accepted product; changes include:
i. a change to the product configuration (to the actual product or its application);
ii. a variation to or addition of manufacturing locations or processes;
iii. a change in the name or ownership of the manufacturing company;
iv. any changes to the ability or intention to support with technical services, spares or repairs.
3) The Manufacturer shall provide Network Rail Technology Introduction Group at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to the Network Rail Technology Introduction Group.
4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
8) In accordance with Network Rail's Quality Assurance Policy Statement 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use
Specifiers, installers, operators, maintainers, etc. using the product shall:
1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Technology Introduction Group.
2) Check that the application of use complies with the relevant certificate's scope of acceptance.
3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Technology Introduction Group.
4) Inform Network Rail Technology Introduction Group in writing of a change to the product configuration (or to the actual product or its application).
5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance
Railways and Other Guided Systems (ROGS) Regulations
1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
2) As required in Railway Group Standard GE/RT8270, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

a. All rail vehicle types that have access rights over the area affected by the change
b. Infrastructure managed by others
c. Neighbours.
Railway Interoperability Regulations
3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.
4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail Regulation) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements
1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.
2) Products may be purchased by Network Rail or its agents, suppliers or contractors.
3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.